

## RESEARCHERS NEEDED FOR THE DEVELOPMENT OF MULTISCALE METHODS

UNIVERSITY OF MINNESOTA, TWIN CITIES

We are seeking outstanding postdoctoral researchers to work at the University of Minnesota on the development of a variety of cutting edge multiscale methods and atomistic simulation techniques. The work will be done in close collaboration with a group of leaders in the field including Prof. Ellad Tadmor, Prof. Richard James, Prof. Mitchell Luskin and Prof. Ryan Elliott. Projects include advances in quasicontinuum technology ([www.qcmethod.com](http://www.qcmethod.com)), development of multiscale methods for objective structures (see James, JMPS, vol 54, 2354-2390, 2006), accelerated molecular dynamics, and the development of an infrastructure for evaluating interatomic potentials. The projects are funded through the U.S. Department of Energy (DOE) and the National Science Foundation (NSF).

We welcome the application of candidates with expertise in any mathematical, scientific, or engineering discipline who have obtained their Ph.D. and have a strong commitment to research on multiscale methods. Candidates having familiarity with several of the areas among continuum mechanics, atomistic-based multiscale techniques, quantum mechanics, structural mechanics, molecular dynamics, numerical solvers, and/or parallel processing are particularly encouraged to apply. Preference will be given to applicants with strong computational or mathematical skills and experience with method development. The positions are available immediately. Applications will be considered until the positions are filled.

Interested individuals are encouraged to contact Professor Tadmor ([tadmor@aem.umn.edu](mailto:tadmor@aem.umn.edu)). However, all applicants must also apply online in order to be considered part of the official applicant pool. To apply online, please visit <https://employment.umn.edu> and search for Requisition Number 162470.

The University of Minnesota is an EEO/AA employer and educator.

August 28, 2009